PALM INTRANET

inventor name srch.
(10 pp)

Day : Friday
Date: 1/5/2007
Time: 18:52:00

Inventor Name Search Result

Your Search was:

Last Name = TANAKA
First Name = HARUO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10581235 *no pp*	Not Issued	19	01/01/0001	Organic electroluminescent display device	TANAKA, HARUO
10772842 *(awrs)*	Not Issued	71	02/04/2004	Light emitting devices	TANAKA, HARUO
11116817	7129103	150	04/28/2005	SEMICONDUCTOR LIGHT EMITTING ELEMENT AND METHOD OF MAKING THE SAME	TANAKA, HARUO
11202368 *no pp*	Not Issued	95	08/12/2005	SEMICONDUCTOR LIGHT-EMITTING DEVICE	TANAKA, HARUO
29145799	D460219	150	07/30/2001	HELMET	TANAKA, HARUO
29145802	D458415	150	07/30/2001	HELMET	TANAKA, HARUO
29145804	D457691	150	07/30/2001	HELMET	TANAKA, HARUO
29145841	D457274	150	07/30/2001	HELMET	TANAKA, HARUO
29162949	D476779	150	06/26/2002	HELMET	TANAKA, HARUO

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name	First Name	
tanaka	haruo	Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = TANAKA
First Name = HARUO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
08208668	Not Issued	166	03/11/1994	SEMICONDUCTOR LASER SYSTEM	TANAKA, HARUO
08220497	5537386	150	03/31/1994	TRACKING AND FOCUSING SERVO DRIVEN BY COMPARISON OF DIRECT CURRENT SIGNALS RECTIFIED FROM DETECTORS	TANAKA, HARUO
08220500	5530689	150	03/31/1994	OPTICAL PICKUP	TANAKA, HARUO
08307465	5447048	150	09/19/1994	CLUTCH DRUM AND APPARATUS FOR MANUFACTURING SAME	TANAKA, HARUO
08357388	5529160	150	12/16/1994	CLUTCH DRUM MADE OF METALLIC PLATE AND METHOD OF MANUFACTURING SAME	TANAKA, HARUO
08363278	5528407	150	12/22/1994	TRANSCEIVER MODULE FOR OPTICAL COMMUNICATION	TANAKA, HARUO
08400514	5671305	150	03/07/1995	OPTICAL BRANCHING AND COUPLING DEVICE USING AN ASPHERICAL LENS	TANAKA, HARUO
08434533	5528019	150	05/04/1995	HIGH FREQUENCY INDUCTION HEATING METHOD FOR ROCKER ARMS	TANAKA, HARUO
08495100	5612258	150	06/27/1995	METHOD OF PRODUCING A SEMICONDUCTOR LASER DEVICE	TANAKA, HARUO
08527352	Not Issued	166	09/12/1995	SEMICONDUCTOR MEMORY DEVICE	TANAKA, HARUO
08529053	Not Issued	161	09/15/1995	SEMICONDUCTOR LASER AND MANUFACTURING METHOD THEREOF	TANAKA, HARUO
08544071	5694802	150	10/17/1995	APPARATUS FOR FORMING SNAP RING GROOVE IN CLUTCH DRUM	TANAKA, HARUO
08574580	5619521	250	12/14/1995	SEMICONDUCTOR LASER	TANAKA, HARUO

				SYSTEM	
08575962	5615201	250	12/20/1995	OPTICAL PICKUP	TANAKA, HARUO
08579340	Not Issued	166	12/27/1995	LACTACYSTIN DERIVATIVES	TANAKA, HARUO
08698804	5712844	150	08/16/1996	OPTICAL PICKUP	TANAKA, HARUO
08806629	5760439	150	02/26/1997	SEMICONDUCTOR MEMORY DEVICE	TANAKA, HARUO
08859704	5940684	150	05/21/1997	METHOD AND EQUIPMENT FOR MANUFACTURING SEMICONDUCTOR DEVICE	TANAKA, HARUO
08892273	5974069	150	07/14/1997	SEMICONDUCTOR LASER AND MANUFACTURING METHOD THEREOF	TANAKA, HARUO
08964828	6121656	150	11/05/1997	A SEMICONDUCTOR MEMORY DEVICE MOUNTED WITH A LIGHT EMITTING DEVICE	TANAKA, HARUO
08979637	5869675	150	11/28/1997	LACTACYSTIN DERIVATIVES	TANAKA, HARUO
08989309	5987651	150	12/12/1997	MECHANISM FOR ATTACHING A ROTATING PLATE IN A HELMET	TANAKA, HARUO
09058153	Not Issued	161	04/10/1998	BI-DIRECTIONAL OPTICAL COMMUNICATION MODULE	TANAKA, HARUO
09136957	6353491	150	08/20/1998	OPTICAL COMMUNICATION MODULE	TANAKA, HARUO
09259330	Not Issued	161	03/01/1999	METHOD FOR PRODUCING BREADS AND ENZYME PREPARATION FOR PRODUCING BREADS	TANAKA, HARUO
09352502	6226803	150	07/10/1999	HELMET	TANAKA, HARUO
09392456	6298079	150	09/09/1999	GALLIUM NITRIDE TYPE LASER FOR EMITTING BLUE LIGHT	TANAKA, HARUO
09392459	6274891	150	09/09/1999	SEMICONDUCTOR LASER AND MANUFACTURING METHOD THEREOF	TANAKA, HARUO
09420678	6686692	150	10/19/1999	ORGANIC ELECTROLUMINESCENT DEVICE WITH COLOR FILTER ENTIRELY COVERING FLAT ORGANIC ELECTROLUMINESCENT LAYER	TANAKA, HARUO
09421022	6429461	150	10/19/1999	SURFACE LIGHT EMITTING DEVICES	TANAKA, HARUO

09432570	6338979	150	11/12/1999	METHOD OF MANUFACTURING ORGANIC EL DEVICE	TANAKA, HARUO
09433950	Not Issued	160	11/04/1999	MINUSCULE LIGHT-EMITTING DEVICE AND ORGANIC EL DEVICE USING THE SAME	TANAKA, HARUO
09435837	6504299	150	11/08/1999	MINUSCULE LIGHT-EMITTING DEVICE AND ORGANIC EL DEVICE USING THE SAME	TANAKA, HARUO
09447419	6744199	150	11/23/1999	ORGANIC EL DEVICE AND METHOD OF MANUFACTURING THE SAME	TANAKA, HARUO
09469349	6320322	150	12/22/1999	LIGHT EMITTING APPLIANCE	TANAKA, HARUO
09549552	6711198	150	04/14/2000	LIGHT SOURCE DEVICE FOR LASER BEAM PRINTER	TANAKA, HARUO
09674608	6482412	150	01/24/2001	A POLYPEPTIDE HAVING HUMAN HIV INHIBITORY ACTIVITY, A GENE ENCODING THE POLYPEPTIDE, A METHOD TO PRODUCE THE POLYPEPTIDE	TANAKA, HARUO
09748172	6388814	150	12/27/2000	HEAD MOUNTED DISPLAY	TANAKA, HARUO
09754381	6671236	150	01/05/2001	LIGHT RECEIVING AND EMITTING COMPOUND ELEMENT AND OPTICAL PICK-UP DEVICE USING THE SAME	TANAKA, HARUO
09757491	7167147	150	01/11/2001	DISPLAY DEVICE AND METHOD OF DRIVING THE SAME	TANAKA, HARUO
10131494	Not Issued	161	04/24/2002	Organic EL element, organic EL element array and organic EL display	TANAKA, HARUO
10161581	6640345	150	06/03/2002	FULL-FACE TYPE HELMET FOR VEHICULAR USERS	TANAKA, HARUO
10167614	6646780	150	06/11/2002	SHEET-LIKE DISPLAY MEDIUM INCLUDING SWITCHING LAYER, AND DISPLAY ELEMENT AND DEVICE UTILIZING THE SAME	TANAKA, HARUO
10175172	6713787	150	06/18/2002	SURFACE LIGHT EMITTING DEVICES	TANAKA, HARUO
10229748	Not Issued	93	08/28/2002	OPTICAL TRANSCEIVER	TANAKA, HARUO
10247167	6856637	150	09/19/2002	OPTICAL TRANSMITTER HAVING PHOTODIODE	TANAKA, HARUO
10375941	6898340	150	02/25/2003	SEMICONDUCTOR LIGHT EMITTING ELEMENT AND METHOD OF MAKING THE SAME	TANAKA, HARUO

10392278	6815733	150	03/19/2003	SWITCHING ELEMENT AND METHOD OF MAKING THE SAME	TANAKA, HARUO
10397987 ∨	Not Issued	61	03/26/2003	Electroluminescence light emitting element and manufacturing method thereof	TANAKA, HARUO
10480317	6910228	150	12/11/2003	HELMET	TANAKA, HARUO

Search and Display More Records.

Search Another: Inventor

Last Name	First Name	
tanaka ·	haruo	Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

Inventor Name Search Result

Your Search was:

Last Name = TANAKA
First Name = HARUO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
06043396	4308210	150	05/25/1979	NANAOMYCIN B AND THERPEUTIC COMPOSITIONS CONTAINING SAME	TANAKA, HARUO
06047451	4324728	150	06/11/1979	NEW COMPOUND NANAOMYCIN A AND DERIVATIVES THEREOF AND A PROCESS FOR PRODUCING THE SAME	TANAKA, HARUO
06054441	4246153	150	07/03/1979	PROCESS FOR PRODUCING AQUEOUS SOLUTION OF THERMOSETTING RESIN	TANAKA, HARUO
06083419	4241064	150	10/10/1979	9H-PYRIDO(3,4-B)INDOLE DERIVATIVES	TANAKA, HARUO
06087363	4269838	150	10/23/1979	CARBAMYL PIPERAZINE DERIVATIVES	TANAKA, HARUO
06097001	4296040	150	11/23/1979	ANTIBIOTIC NANAOMYCIN E AND A PROCESS FOR PRODUCING THE SAME	TANAKA, HARUO
06227764	4402948	250	01/23/1981	STERIO GLYCOSIDE COMPOUNDS AND METHOLDS OF USE	TANAKA, HARUO
06247881	4435397	150	03/26/1981	CARBAMYLPIPERAZINE COMPOUNDS	TANAKA, HARUO
06276432	4353986	150	06/22/1981	PROCESS FOR PRODUCING ANTIBIOTIC NANAOMYCIN E	TANAKA, HARUO
06636643	4613355	150	08/01/1984	ANTIBIOTIC HAVING HERBICIDAL ACTIVITY	TANAKA, HARUO
06807558	4657821	150	12/11/1985	PAPER COATING COMPOSITION	TANAKA, HARUO
06924010	Not Issued	166	10/28/1986	PROCESS FOR PRODUCING RESIN FOR PAPER COATING	TANAKA, HARUO
07019571	Not Issued	161	02/27/1987	NOVEL COMPOUNDS WK-142 AND PROCESS FOR PREPARING THE SAME	TANAKA, HARUO
07059057	4831055	150	06/08/1987	BENZOIC ACID DERIVATIVES	TANAKA, HARUO

07162988	Not Issued	166	03/02/1988	NOVEL TRANSGLUTAMINASE	TANAKA, HARUO
07329313	4944246	150	03/27/1989	MOLECULAR BEAM EPITAXY APPARATUS	TANAKA, HARUO
07329570	4945544	150	03/28/1989	DIODE LASER PUMPED SOLID-STATE LASER	TANAKA, HARUO
07452418	5052005	250	12/19/1989	METHOD OF MOUNTING A LASER DIODE UNIT	TANAKA, HARUO
07469248	4999841	250	01/24/1990	SEMICONDUCTOR LASERS	TANAKA, HARUO
07577706	5104033	150	09/05/1990	SYSTEM AND APPARATUS FOR AND METHOD OF ASSEMBLING WORKPIECES	TANAKA, HARUO
07586339	5034501	150	09/18/1990	PROCESS FOR PRODUCING RESIN FOR PAPER COATING	TANAKA, HARUO
07597896	5052156	150	10/15/1990	FLOORING PANEL SYSTEM	TANAKA, HARUO
07605095	5153148	250	10/30/1990	METHOD OF FABRICATING SEMICONDUCTOR LASERS	TANAKA, HARUO
07658622	Not Issued	166	02/21/1991	METHOD OF MOUNTING LASER DIODE UNIT	TANAKA, HARUO
07673591	5218611	150	03/22/1991	A LASER DIODE SYSTEM HAVING AN AIR-TIGHT INTERCONNECTING SOLID STATE WAVE-GUIDE MEANS FOR TRANSMITTING LIGHT	TANAKA, HARUO
07686146	5140384	150	04/16/1991	SEMICONDUCTOR LASER DEVICE MOUNTED ON A STEM	TANAKA, HARUO
07686152	5089861	150	04/16/1991	SEMICONDUCTOR LASER DEVICE MOUNTING BLOCK	TANAKA, HARUO
07691499	Not Issued	166	04/25/1991	LASER DIODE	TANAKA, HARUO
07696084	Not Issued	166	05/06/1991	LASER DIODE	TANAKA, HARUO
07700944	5114758	150	03/13/1991	PROCESS FOR PRODUCING RESIN FOR PAPER COATING	TANAKA, HARUO
07715362	5177753	250	06/14/1991	SEMI-CONDUCTOR LASER UNIT	TANAKA, HARUO
07726722	5156956	150	07/01/1991	NOVEL TRANSGLUTAMINASE	TANAKA, HARUO
07741890	5131951	150	08/08/1991	PAPER COATING COMPOSITION	TANAKA, HARUO

07748723	5158611	150	08/22/1991	PAPER COATING COMPOSITION.	TANAKA, HARUO
07810096	5257442	150	12/19/1991	APPARATUS FOR ASSEMBLING WORKPIECES	TANAKA, HARUO
07898415	5277090	250	06/15/1992	DISC CUTTING APPARATUS	TANAKA, HARUO
07899935	5233580	150	06/17/1992	LASER DIODE UNIT WELDED TO A MOUNTING MEMBER BY LASER LIGHT	TANAKA, HARUO
07938677	5245620	150	09/01/1992	"A LASER DIODE SYSTEM FOR REFLECTING AND MAINTAINING LASER LIGHT WITHIN THE SYSTEM"	TANAKA, HARUO
07946022	5226052	150	09/10/1992	LASER DIODE SYSTEM FOR CUTTING OFF THE ENVIRONMENT FROM THE LASER DIODE	TANAKA, HARUO
07967279	5327443	150	10/27/1992	PACKAGE-TYPE SEMICONDUCTOR LASER DEVICE	TANAKA, HARUO
07970468	5307362	150	11/02/1992	MOLD-TYPE SEMICONDUCTOR LASER DEVICE	TANAKA, HARUO
07997707	5315606	150	01/05/1993	LASER DIODE DRIVING CIRCUIT	TANAKA, HARUO
08015847	5345614	150	02/10/1993	VEHICLE HELMET	TANAKA, HARUO
08057731	5336783	150	03/23/1993	NOVEL CALPAIN INHIBITOR CYSTAMIDIN A AND ITS PRODUCTION	TANAKA, HARUO
08069855	5392304	150	06/01/1993	SEMICONDUCTOR LASER AND MANUFACTURING METHOD THEREFOR	TANAKA, HARUO
08073309	5388474	150	06/08/1993	CLUTCH DRUM AND APPARATUS FOR MANUFACTURING SAME	TANAKA, HARUO
08111059	5480362	150	08/24/1993	DOUBLE PLANETARY CARRIER	TANAKA, HARUO
08120420	5339373	150	09/14/1993	OPTICAL BRANCHING AND COUPLING DEVICE	TANAKA, HARUO
08120430	Not Issued	166	09/14/1993	OPTICAL BRANCHING AND COUPLING DEVICE	TANAKA, HARUO
08176230	5444221	250	01/03/1994	HIGH-FREQUENCY INDUCTION HEATING APPARATUS FOR ROCKER ARMS	TANAKA, HARUO

Search and Display More Records.

PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = SAI
First Name = HIRONOBU

Application#	Patent#	Status	Date Filed	Title	Inventor Name
09421022	6429461	150	10/19/1999	SURFACE LIGHT EMITTING DEVICES	SAI, HIRONOBU
10152854	6775310	150	05/23/2002	SEMICONDUCTOR LIGHT EMITTING DEVICE AND MANUFACTURING METHOD THEREOF	SAI, HIRONOBU
10175172	6713787	150	06/18/2002	SURFACE LIGHT EMITTING DEVICES	SAI, HIRONOBU
10274950	6856635	150	10/22/2002	SURFACE LIGHT EMITTING TYPE SEMICONDUCTOR LASER HAVING A VERTICAL CAVITY	SAI, HIRONOBU
10318121	6979581	150	12/13/2002	METHOD OF MANUFACTURING SEMICONDUCTOR LIGHT EMITTING DEVICE AND OXIDATION FURNACE	SAI, HIRONOBU
10594631	Not Issued	19	01/01/0001	Laminate type thin-film solar cell and method for manufacturing the same	SAI, HIRONOBU
10673788	Not Issued	83	09/30/2003	Semiconductor light emitting device and method of manufacturing the same	SAI, HIRONOBU
10772842	Not Issued	71	02/04/2004	Light emitting devices	SAI, HIRONOBU
10897915	7132351	150	07/23/2004	METHOD OF FABRICATING A COMPOUND SEMICONDUCTOR LAYER	SAI, HIRONOBU
11171472	Not Issued	30	07/01/2005	Semiconductor laser and method of manufacturing the same	SAI, HIRONOBU
11202367	Not Issued	20	08/12/2005	Light-emitting device, manufacturing method of particle and manufacturing method of light-emitting device	SAI, HIRONOBU
11202368	Not Issued	95	08/12/2005	SEMICONDUCTOR LIGHT-EMITTING DEVICE	SAI, HIRONOBU
11234156	Not Issued	30	09/26/2005	Method of manufacturing semiconductor light emitting device and	SAI, HIRONOBU

				oxidation furnace	
07218805	Not Issued	166	07/13/1988	COMPOSITION FOR FORMING ANTITHROMBOTIC MEDICAL APPLIANCES	SAITO, HIRONOBU
07343388	5046947	150	04/26/1989	IMAGE FIXING APPARATUS	SAITO, HIRONOBU
07425367	5153003	150	10/18/1989	COMPOSITION FOR FORMING ANTITHROMBOTIC MEDICAL APPLIANCES	SAITO, HIRONOBU
07803025	Not Issued	161	12/06/1991	COMPOSITION FOR FORMING ANTITHROMBOTIC MEDICAL APPLIANCES	SAITO, HIRONOBU
07970824	5298959	150	11/03/1992	IMAGE FORMING APPARATUS WITH RE-FEEDING MEANS	SAITO, HIRONOBU
08188883	5486905	150	01/31/1994	DEVELOPING AGENT RECOVERY APPARATUS AND IMAGE FORMING APPARATUS USING SUCH RECOVERY APPARATUS	SAITO, HIRONOBU
08266496	5455666	150	06/27/1994	DEVELOPER EXTRACTING APPARATUS AND IMAGE FORMING APPARATUS USING IT	SAITO, HIRONOBU
08363007	5563697	250	12/23/1994	A SEPARATING APPARATUS FOR SEPARATING FOREIGN MATTER FROM A MAGNETIC TONER UTILIZING A VIBRATION GENERATOR AND A MAGNETIC FIELD GENERATOR	SAITO, HIRONOBU
08378356	5659870	150	01/25/1995	MAGNETIC TONER CONVEYING APPARATUS AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS USING SAME APPARATUS	SAITO, HIRONOBU
08490132	5532800	150	06/14/1995	SEPARATING APPARATUS AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS USING THE SAME	SAITO, HIRONOBU

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name	First Name	
sai	hironobu	Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

EAST Search History (20 pp.)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	(US-20040155580-$).did.	US-PGPUB	OR	OFF	2007/01/05 13:44
L3	39	(US-20040155580-$)".did.and" luminescent adj layer and shielding adj layer	US-PGPUB	OR	OFF	2007/01/05 13:44
L4	39	"1" and luminescent adj layer and shielding adj layer	US-PGPUB	OR	OFF	2007/01/05 13:45
L5	1	2 and luminescent adj layer and shielding adj layer	US-PGPUB	OR	OFF	2007/01/05 13:56
L6	2	("6031856").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 13:57
L7	2	("6205092").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 14:16
L8	2	jp-62113189$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 14:17
L9	2	jp-05290971$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 14:48
L10	4	(shielding adj layer) near6 (luminescent adj layer) and hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 14:53
L11	4	(shielding adj (plate film layer pattern)) near6 ((EL electroluminescen$2 luminescen$2) adj (film layer)) and hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 15:00
L12	12	(("5,679,964") or ("5,745,265") or ("5,568,499") or ("5,663,944") or ("5,659,420") or ("5,629,782")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 15:00

L13	2	ep-733928$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 15:01
L14	4	8 9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 15:03
L15	5396	hologram near6 laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 15:07
L16	0	hologram near6 (abut abutting abuts) near6 (light-emitting luminescen$2 laser active)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 15:08
L17	0	hologram near6 (abut abutting abuts) near6 (light-emitting luminescen$2 laser active)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 15:08
L18	180	hologram near6 (light-emitting luminescen$2 laser active) near20 integrated	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 15:09
L19	163	hologram near6 (light-emitting luminescen$2 laser active) near10 (unitary integrated)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 15:10
L20	0	hologram near6 (light-emitting luminescen$2 laser active) near10 (unitary integrated) near10 (shield$3 black adj matrix) and (light-emitting luminescen$2 laser active) and (shield$3 black adj matrix)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 15:11
L21	1	hologram near6 (light-emitting luminescen$2 laser active) near10 (unitary integrated) same (shield$3 black adj matrix) and (light-emitting luminescen$2 laser active) and (shield$3 black adj matrix)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 15:25

EAST Search History

L22	3	(("6713787") or ("6429461")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 16:04
L23	876	hologram.ti,ab,clm. and integrated.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:05
L24	15	hologram.ti,ab,clm. and integrated.ti,ab,clm. and (screening shielding black adj matrix) and (light-emitting laser electroluminescen$2 luminescen$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:17
L25	2	jp-2003085807$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:12
L26	10	jp-10296663$-$.did. jp-10313221$-$.did. jp-10313226$-$.did. jp-10313228$-$.did. jp-10322981$-$.did. jp-10347281$-$.did. jp-10347287$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:15
L27	25540	hologram.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:17
L28	11853	hologram.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:17
L29	2721	hologram.ti. and (light$1emitting laser luminescen$2).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:18
L30	69	hologram.ti. and (light$1emitting laser luminescen$2).ti,ab,clm. and integrated.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:19
L31	30	hologram.ti. and (light$1emitting laser luminescen$2).ti,ab,clm. and integrated.ti,ab,clm. and @ad<"19981020"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:30

EAST Search History

L32	196	hologram near10 integrated near10 laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:31
L33	105	hologram near5 integrated near5 laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:31
L34	24	hologram near5 integrated near5 laser and @ad<"19991212"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:53
L35	31	(holography hologram)near5 integrated near5 laser and @ad<"19991212"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:53
L36	31	(holography hologram)near5 integrated near5 laser and @ad<"19991020"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:54
L37	31	(holography hologram)near5 integrated near5 laser and @ad<"19991020" and (hologram holography)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:06
L38	32	ldhu	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:06
L39	5	ldhu and (hologram holography)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:49
L40	2	jp-10021578$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:16
L41	4	"5621714".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:53

EAST Search History

L42	0	ldhu and spacer near6 optional	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:53
L43	0	(ldhu laser adj diode adj hologram) and spacer near6 optional	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:54
L44	0	(ldhu laser adj diode adj hologra$5) and spacer near6 optional	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:55
L45	4	(ldhu laser adj diode adj hologra$5) and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:10
L46	80	(ldhu laser adj diode adj hologra$5) and integrat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:10
L47	5	(ldhu laser adj diode adj hologra$5) and integrat$3 near6 (advantage compact reliability)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:30
L48	0	(cost same reliability) same (integrated adj design) and semiconductor adj laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:31
L49	6	(cost same reliability) same (integrated with design) and semiconductor adj laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:59
L50	20697	((257/79) or (257/8$1) or (257/9$1) or (257/100) or (257/101) or (257/102) or (257/103) or (313/506) or (372/43.01) or (372/44.01) or (372/50.11) or (372/50.124) or (359/15) or (369/103) or (369/112.1) or (369/112.15)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 19:06

L51	6	50 and surface adj (emitting light$1emitting).ti,ab,clm. and (ldhu hologram same (integrate$1 integrati$2 unitary)) and (electroluminescen$2 laser light$1emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 19:16
L52	1	((tanaka near1 haruo).in. (hironobu near1 sai).in. rohm.as.) and surface adj (emitting light$1emitting).ti,ab, clm. and (ldhu hologram same (integrate$1 integrati$2 unitary)) and (electroluminescen$2 laser light$1emitting).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 19:19
S1	6	"772842".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 07:39
S2	5	"792094".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 09:32
S3	1	(US-20040155580-$).did.	US-PGPUB	OR	OFF	2005/09/12 10:53
S4	1	S3 and uneven	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 10:55
S5	1	S3 and shielding	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 10:56
S6	0	S3 and light-emission near4 related near4 hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 10:57
S7	0	S3 and light-emission near4 related	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 10:57
S8	0	S3 and light-emission near4 hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 10:57

EAST Search History

S9	1	S3 and light adj emission near4 hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 11:02
S10	0	S3 and reflect$3 near10 combin$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 12:17
S11	974877	"2" and peripheral	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 12:18
S12	6	"772842".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 12:18
S13	3	S12 and peripheral	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:19
S14	11634	"L2" and wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:19
S15	6	"772842".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 14:19
S16	3	S15 and wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:25
S17	0	S15 and wavelength near6 wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:26
S18	0	S15 and wavelength near10 wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:26

S19	1	S15 and wavelength near10 width	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:45
S20	1	S15 and hologram near6 peripheral	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:50
S21	1	S15 and hologram near6 return$3 near6 reflect$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:53
S22	1	S15 and brightness near6 interference near6 illumination	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:53
S23	1	S15 and brightness near6 interference near6 illuminat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:54
S24	1	S15 and brightness near6 interference	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:57
S25	0	S15 and "more than one" near6 interference near6 pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:58
S26	1	S15 and interference near6 "patterns"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:01
S27	1	S15 and "interference fringes"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:04
S28	1	S15 and select$3 near6 (emit$4 emission) near6 pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:09

EAST Search History

S29	0	S15 and predetrmined near6 hologram near6 image near6 display$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:10
S30	0	S15 and predetermined near6 hologram near6 image near6 display$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:10
S31	0	S15 and predetermined near6 hologram near6 display$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:10
S32	1	S15 and predetermined near6 holographic near6 image near6 display$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:25
S33	5	"787123".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:26
S34	6	"772842".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 09:06
S35	4	(laser adj diode semiconductor adj laser) and (hologram holographic) and (surface adj light adj emitting vCSEL) and shield$3 and transparen$2 near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:38
S36	2	(laser adj diode semiconductor adj laser) and (hologram holographic). clm. and (surface adj light adj emitting vCSEL) and shield$3.clm. and transparen$2 near3 electrode.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 09:33
S37	7	"175172".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 09:36
S38	2	("6787713").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 09:38

EAST Search History

S39	2	("6713787").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 09:38
S40	9	(laser adj diode semiconductor adj laser) and (hologram holographic) and (surface adj light adj emitting vCSEL) and (block$3 shield$3 black adj matrix) and transparen$2 near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:48
S41	290	(laser adj diode semiconductor adj laser) and (hologram holographic) and (block$3 shield$3 black adj matrix) and transparen$2 near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:48
S42	3	(laser adj diode semiconductor adj laser).ti,ab,clm. and (hologram holographic).ti,ab,clm. and (block$3 shield$3 black adj matrix) and transparen$2 near3 electrode.ti,ab, clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:50
S43	1	(laser adj diode semiconductor adj laser).ti,ab,clm. and (hologram holographic).ti,ab,clm. and (block$3 shield$3 black adj matrix).ti,ab,clm. and transparen$2 near3 electrode.ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:51
S44	1	(laser adj diode semiconductor adj laser).ti,ab,clm. and (hologram holographic).ti,ab,clm. and (block$3 shield$3 black adj matrix).ti,ab,clm. and transparen$2 near3 electrode.ti, ab,clm. and (hologram holographic) and (shield$3 block$3 black adj matrix)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:53
S45	1	(laser adj diode semiconductor adj laser).ti,ab,clm. and (hologram holographic).ti,ab,clm. and (block$3 shield$3 black adj matrix).ti,ab,clm. and transparen$2 near3 electrode.ti, ab,clm. and (hologram holographic) and (shield$3 block$3 black adj matrix) and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:56

S47	0	(semiconductor silicon).ti,ab,clm. and laser.ti,ab,clm. and (hologram holographic).ti,ab,clm. and (block$3 shield$3 black adj matrix).ti,ab,clm. and transparen$2 near3 electrode.ti, ab,clm. and (hologram holographic) and (shield$3 block$3 black adj matrix) and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:01
S48	1	372/43.01.ccls. and 359/27.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:05
S49	1	372/4$5.ccls. and 359/27.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:05
S50	1	372/4$6.ccls. and 359/27.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:06
S51	79	(EL electroluminescen$2 laser light adj emitting) and (hologram holographic) and transparent near4 (cathode anode) and (shield$3 pattern$3 screen$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:24
S52	1	"20020057872".PN.	US-PGPUB	OR	OFF	2005/10/24 11:23
S53	40	(("3748480") or ("4602847") or ("4730327") or ("4805183") or ("4919507") or ("5043991") or ("5193130") or ("5220573") or ("5226053") or ("5265111") or ("5703899") or ("5838854") or ("6018421") or ("6307827") or ("6363093") or ("6411640") or ("6507595") or ("6661034") or ("6720585") or ("6850366")).PN. or ((2002/0057872) or (2002/0172247) or (2003/0103543)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 11:26

S54	20	(("3748480") or ("4602847") or ("4730327") or ("4805183") or ("4919507") or ("5043991") or ("5193130") or ("5220573") or ("5226053") or ("5265111") or ("5703899") or ("5838854") or ("6018421") or ("6307827") or ("6363093") or ("6411640") or ("6507595") or ("6661034") or ("6720585") or ("6850366")).PN. or ((2002/0057872) or (2002/0172247) or (2003/0103543)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/24 11:30
S55	2	S54 and (shield$3 block$3 pattern$3) and (hologram holograph holographic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:47
S56	7	"175172".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 13:16
S58	80	(shielding shield light adj blocking) near6 (holographic hologram) and (electroluminescen$2 EL laser light adj emitting) and (shielding light adj blocking) and (electroluminescen$2 EL laser light adj emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 13:56
S59	118	(shielding shield light adj blocking) near6 (holographic hologram) and (electroluminescen$2 EL laser light adj emitting) and (shielding shield light adj blocking) and (electroluminescen$2 EL laser light adj emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 13:41
S60	6	(("5,679,964") or ("5,745,265") or ("5,568,499") or ("5,663,944") or ("5,659,420") or ("5,629,782")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/24 14:21
S61	2	jp-07033928$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 14:02
S62	0	ep-07033928$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 14:02

S63	0	ep-0733928$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 14:02
S64	2	ep-733928$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 14:02
S65	0	GB-685286$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 14:37
S66	57	'hologram adj device.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 15:06
S67	3	hologram adj device near4 diffraction adj (lattice pattern shield$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 15:07
S68	4	hologram adj device near4 diffraction adj (lattice pattern shield$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:18
S69	315	hologram near4 diffraction adj (lattice pattern shield$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:18
S70	69	hologram near4 diffraction adj (lattice pattern shield$3) and integrated	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:20
S71	40	hologram near4 diffraction adj (lattice pattern shield$3) and integrated	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:23
S72	2	hologram near4 diffraction adj (lattice pattern shield$3) and integrated and shield$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:26

S73	34	hologram near4 transparent near4 opaque .	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:50
S74	339	(surface adj emitting vcsel) and (hologram holographic) and @ad<"20000101"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:51
S75	· 61	(surface adj emitting vcsel) and (hologram holographic) and @ad<"20000101" and "372"/$7.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:52
S76	19	vcsel.ti,ab,clm. and transparent near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 16:27
S77	33	vcsel.ti,ab,clm. and transparent near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON·	2005/10/24 16:28
S78	7	vcsel.ti,ab,clm. and transparent near3 electrode and hologra$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR ·	ON	2005/10/24 16:29
S79	20	vcsel.ti,ab,clm. and optical adj emitter. ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:32
S80	0	vcsel.ti,ab,clm. and optical adj emitter. ti,ab,clm. and transparent near2 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:32
S81	0	vcsel.ti,ab,clm. and optical adj emitter and transparent near2 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:32
S82	1	(vertical adj cavity adj surface adj emitting adj laser vcsel).ti,ab,clm. and optical adj emitter and transparent near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:33

EAST Search History

S83	2	(vertical adj cavity adj surface adj emitting adj laser vcsel) and optical adj emitter and transparent near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:34
S84	158	(vertical adj cavity adj surface adj emitting adj laser vcsel) and transparent near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:35
S85	30	(vertical adj cavity adj surface adj emitting adj laser vcsel) and transparent near4 electrode and hologra$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:56
S86	0	"5563710".ap. and hologra$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:58
S87	0	"5563710".ap. and vcsel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:58
S88	0	"5563710".ap. and vcsel$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:58
S89	1	"5563710".pn. and vcsel$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:59
S90	1	"5563710".pn. and vcsel$1 and hologra$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:59

S91	24	(US-20040155580-$ or US-20020158263-$ or US-20050128543-$).did. or (US-6713787-$ or US-6429461-$ or US-6257491-$ or US-6059188-$ or US-6307827-$ or US-5838854-$ or US-5930219-$ or US-5907312-$ or US-5745265-$ or US-5679964-$ or US-5663944-$ or US-5659420-$ or US-5629782-$ or US-5568499-$ or US-6031856-$ or US-5856048-$).did. or (EP-733928-$).did. or (JP-2003085807-$ or JP-11238947-$). did. or (JP-2000231995-$ or EP-733928-$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/24 17:00
S92	4	S91 and hologra$4 and vcsel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 17:01
S93	5	S91 and vcsel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 17:01
S94	448	vcsel.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 07:27
S95	338	vcsel.ti.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 07:29
S96	1002	vertical adj cavity adj surface adj emitting adj laser.ti.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 07:31
S97	227	vertical adj cavity adj surface adj emitting adj laser.ti.	USPAT	OR	ON	2005/10/25 08:50
S98	357	(vertical adj cavity adj surface adj emitting adj laser vcsel).ti.	USPAT	OR	ON	2005/10/25 08:51
S99	3	(vertical adj cavity adj surface adj emitting adj laser vcsel).ti. and transparent near3 electrode and transparent near3 substrate	USPAT	OR	ON	2005/10/25 09:20
S100	1	"5563710".pn. and electrode	USPAT	OR	ON	2005/10/25 09:18

EAST Search History

S10 1	3	(vertical adj cavity adj surface adj emitting adj laser vcsel).ti. and transparent near4 electrode and transparent near4 substrate	USPAT	OR	ON	2005/10/25 09:21
S10 2	3	(vertical adj cavity adj surface adj emitting adj laser vcsel).ti. and transparent near6 electrode and transparent near6 substrate	USPAT	OR	ON	2005/10/25 11:27
S10 3	3903	((257/79) or (372/43.01) or (372/50. 11) or (372/50.124) or (359/15)). CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/25 11:28
S10 4	86	S103 and (surface near2 (emission emitting)) and (hologram holographic) and (laser coherent coherence)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 11:30
S10 5	422	monolithic and (hologram holographic) and lens and (light adj emitting light-emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:39
S10 6	2	("5638469").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 12:39
S10 7	0	("hologramnear4electrodeand(laserligh t-emittinglightadjemitting)").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 13:02
S10 8	99	hologram near4 electrode and (laser light-emitting light adj emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:07
S10 9	4	hologram near4 electrode and (laser light-emitting light adj emitting) and monolithic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:18
S11 0	4	hologram near4 electrode and (laser light-emitting light adj emitting) and monolithic and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:21

S11 1	4	hologram near4 electrode and (laser light-emitting light adj emitting) and monolithic and electrode and hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:49
S11 2	8	monolithic and ESCH and (light-emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:46
S11 3	3	ESCH near20 (light-emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:46
S11 4	6	switchable near10 hologram near10 electrode and (light-emitting laser) near10 hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:53
S11 5	48	switchable adj volume adj hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:53
S11 6	0	switchable adj volume adj hologram and monolithic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:53
S11 7	46	switchable adj volume adj hologram and (light adj emitting light-emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:54
S11 8	18	switchable adj volume adj hologram and (light adj emitting light-emitting laser) and integrated	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 16:51
S11 9	0	("775514.ap.").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 13:58
S12 0	5	"775514".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 14:07

EAST Search History

S12 1	2	("6750119").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 14:07
S12 2	15	switchable adj volume adj hologram and (light adj emitting light-emitting laser) and integrated and hologram and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 16:59
S12 3	50	(light adj emitting light-emitting laser) and integrated and hologram and electrode and (integrated monolithic) near20 (light-emitting light adj emitting laser electroluminescen$2) near20 (holographic hologram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 17:00
S12 4	37	(light adj emitting light-emitting laser) and integrated and hologram and electrode and (integrated monolithic) near10 (light-emitting light adj emitting laser electroluminescen$2) near10 (holographic hologram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 17:53
S12 5	0	holographic adj filter near10 (VCSEL laser) near10 (integrated monolithic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 17:54
S12 6	54	holographic adj filter near10 (VCSEL laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 18:12
S12 7	9	holographic adj filter near10 (VCSEL laser) and (monolithic integrated)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 18:00
S13 1	2457	(holographic hologram) and (((light-emitting light adj emitting) adj (device element diode)) vcsel)	USPAT	OR	ON	2006/07/05 18:16
S13 2	2	(holographic hologram) near10 (((light-emitting light adj emitting) adj (device element diode)) vcsel) near10 (integrated monolithic)	USPAT	OR	ON	2006/07/05 18:18
S13 3	40	(holographic hologram) near10 (((light-emitting light adj emitting) adj (device element diode)) (semiconductor adj laser vcsel)) near10 (integrated monolithic)	USPAT	OR	ON	2006/07/05 18:18

EAST Search History

S13 4	2	"6205092".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 10:05
S13 5	2	"6243334".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 10:06
S13 6	2	S135 and hologra$4 and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 11:37
S13 7	15181	((257/79) or (257/8$1) or (257/9$1) or (257/100) or (257/101) or (257/102) or (257/103) or (372/43.01) or (372/50.11) or (372/50.124) or (359/15)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 11:40
S13 8	409	S137 and (hologram holographic) and (light-emitting light adj emitting laser vcsel) and (IC integrated monolithic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 11:43
S13 9	193	S137 and (hologram holographic) and (light-emitting light adj emitting laser vcsel) and (IC integrated monolithic) and @ad<"19991020"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 17:18
S14 4	2	("20020031153").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/24 19:33